RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	10/585,26/
Source:	P4/371
Date Processed by STIC:	7/17/06

ENTERED



Input Set : A:\10159 PCT.ST25.txt

3 <110> APPLICANT: Clark, Edwin

```
Ford, Shirin
              Yoqanathan, Suganthy
              Jackson, Donald
      8 <120> TITLE OF INVENTION: BIOMARKERS AND METHODS FOR DETERMINING SENSITIVITY TO
EPIDERMAL
              GROWTH FACTOR RECEPTOR MODULATORS
     11 <130> FILE REFERENCE: 10159 PCT
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/585,261
C--> 13 <141> CURRENT FILING DATE: 2006-07-05
     13 <150> PRIOR APPLICATION NUMBER: US 60/535,151
     14 <151> PRIOR FILING DATE: 2004-01-07
     16 <160> NUMBER OF SEQ ID NOS: 125
     18 <170> SOFTWARE: PatentIn version 3.2
     20 <210> SEO ID NO: 1
     21 <211> LENGTH: 3697
     22 <212> TYPE: DNA
     23 <213> ORGANISM: Homo sapiens
     25 <400> SEQUENCE: 1
     26 agggagtgtt cccgggggag atactccagt cgtagcaaga gtctcgacca ctgaatggaa
                                                                               60
     28 gaaaaggact tttaaccacc attttgtgac ttacagaaag gaatttgaat aaagaaaact
                                                                              120
     30 atgatacttc aggeceatet teactecetg tgtettetta tgetttattt ggeaactgga
                                                                              180
     32 tatggccaag aggggaagtt tagtggaccc ctgaaaccca tgacattttc tatttatgaa
                                                                              240
     34 ggccaagaac cgagtcaaat tatattccag tttaaggcca atcctcctgc tgtgactttt
                                                                              300
     36 gaactaactg gggagacaga caacatattt gtgatagaac gggagggact tctgtattac
                                                                              360
     38 aacagageet tggacaggga aacaagatet acteacaate tecaggttge ageeetggae
                                                                              420
     40 gctaatggaa ttatagtgga gggtccagtc cctatcacca tagaagtgaa ggacatcaac
                                                                              480
     42 gacaatcgac ccacgtttct ccagtcaaag tacgaaggct cagtaaggca gaactctcgc
                                                                              540
     44 ccaggaaage cettettgta tgteaatgee acagacetgg atgateegge cacteecaat
                                                                              600
     46 ggccagcttt attaccagat tgtcatccag cttcccatga tcaacaatgt catgtacttt
                                                                              660
     48 cagatcaaca acaaaacggg agccatctct cttacccgag agggatctca ggaattgaat
                                                                              720
     50 cctgctaaga atccttccta taatctggtg atctcagtga aggacatggg aggccagagt
                                                                              780
     52 gagaatteet teagtgatae eacatetgtg gatateatag tgacagagaa tatttggaaa
                                                                              840
     54 gcaccaaaac ctgtggagat ggtggaaaac tcaactgatc ctcaccccat caaaatcact
                                                                              900
     56 caggtgcggt ggaatgatcc cggtgcacaa tattccttag ttgacaaaga gaagctgcca
                                                                              960
     58 agatteceat ttteaattga eeaggaagga gatatttaeg tgaeteagee ettggaeega
                                                                             1020
     60 gaagaaaagg atgcatatgt tttttatgca gttgcaaagg atgagtacgg aaaaccactt
                                                                             1080
     62 tcatatccgc tggaaattca tgtaaaagtt aaagatatta atgataatcc acctacatgt
                                                                             1140
     64 ccgtcaccag taaccgtatt tgaggtccag gagaatgaac gactgggtaa cagtatcggg
                                                                             1200
     66 accettactg cacatgacag ggatgaagaa aatactgcca acagttttct aaactacagg
                                                                             1260
     68 attgtggagc aaactcccaa acttcccatg gatggactct tcctaatcca aacctatgct
                                                                             1320
     70 ggaatgttac agttagctaa acagtccttg aagaagcaag atactcctca gtacaactta
                                                                             1380
     72 acgatagagg tgtctgacaa agatttcaag accctttgtt ttgtgcaaat caacgttatt
                                                                             1440
     74 gatatcaatg atcagatccc catctttgaa aaatcagatt atggaaacct gactcttgct
                                                                             1500
```

Input Set : A:\10159 PCT.ST25.txt

		acattgggtc					1560
		gttctaaaat					1620
		cagatcccca					1680
		cagctgtttc					1740
		agtacaatgc					1800
		ctcaattttc					1860
88	ataggcacta	aagtgggcaa	tgtgactgcc	aaggatccag	aaggtctgga	cataagctat	1920
90	tcactgaggg	gagacacaag	aggttggctt	aaaattgacc	acgtgactgg	tgagatcttt	1980
92	agtgtggctc	cattggacag	agaagccgga	agtccatatc	gggtacaagt	ggtggccaca	2040
94	gaagtagggg	ggtcttcctt	gagctctgtg	tcagagttcc	acctgatcct	tatggatgtg	2100
96	aatgacaacc	ctcccaggct	agccaaggac	tacacgggct	tgttcttctg	ccatcccctc	2160
98	agtgcacctg	gaagtctcat	tttcgaggct	actgatgatg	atcagcactt	atttcggggt	2220
100	ccccatttta	cattttccct	cggcagtgga	agcttacaaa	acgactggga	agtttccaaa	2280
102	atcaatggta	ctcatgcccg	actgtctacc	aggcacacag	agtttgagga	a gagggagtat	2340
						tgtttcttta	2400
						tcaccagact	2460
108	gggataccca	ctgtgggcat	ggcagttggt	atactgctga	ccacccttct	ggtgattggt	2520
						taatgttgaa	2580
. 112	agtgctcaag	, catctgaagt	caaacctctg	agaagctgaa	tttgaaaagg	g aatgtttgaa	2640
						tcatctaacg	2700
						taaatatttc,	2760
						g tgatcccagc	2820
						cctaagtagc	2880
						tagagacggg	2940
						geetgeettg	3000
						tgtgctatag	3060
						ggcttagcta	3120
						atttttctt	3180
						: tatgttttt	3240
						gaatttcaaa	3300
						aagaacagcc	3360
						tcaatgtgac	3420
						agaaggtgtt	3480
						agatttcctc	3540
						gtaaagtttt	3600
						tgacaaatca	3660
		ctggttgtag				, •9	3697
	<210> SEQ		000300030	0030000			
	<211> LENG					•	
	<212> TYPE				•		
		NISM: Homo	saniens				
	<400> SEQU		oup I clib				
			сапапаапап	agcagagacc	atoggaccc	cctcagcccc	60
						ttctaacctt	120
						atgtcgcaga	180
		_	_	_	_		240
						gttacagctg	300
						taggaactca	
						atgcatccct	360
169	gctgatccag	dacatcaccc	agaatgacac	aggattctat	accctacaag	, tcataaagtc	420

Input Set : A:\10159 PCT.ST25.txt

101							400
			caaccggaca			_	480
			ccaaccccgt				540
			caacctacct				600
			ccaatggcaa				660
			aatgtgaaat				720
			tctatggccc				780
			atctgaacct				840
			atgggacgtt				900
			gcggatccta				960
						tcctctcagc	1020
			cgattggagt				1080
			caggaagact				1140
			atcccatgga				1200
			tggacaactc				1260
			agacttcacc				1320
201	gtgagaaatt	gacgacttca	cactatggac	agcttttccc	aagatgtcaa	aacaagactc	1380
203	ctcatcatga	taaggctctt	accccctttt	aatttgtcct.	tgcttatgcc	tgcctctttc	1440
205	gcttggcagg	atgatgctgt	cattagtatt	tcacaagaag	tagcttcaga	gggtaactta	1500
207	acagagtgtc	agatctatct	tgtcaatccc	aacgttttac	ataaaataag	agatccttta	1560
209	gtgcacccag	tgactgacat	tagcagcatc	tttaacacag	ccgtgtgttc	aaatgtacag	1620
211	tggtcctttt	cagagttgga	cttctagact	cacctgttct	cactccctgt	tttaattcaa	1680
213	cccagccatg	caatgccaaa	taatagaatt	gctccctacc	agctgaacag	ggaggagtct	1740
215	gtgcagtttc	tgacacttgt	tgttgaacat	ggctaaatac	aatgggtatc	gctgagacta	1800
217	agttgtagaa	attaacaaat	gtgctgcttg	gttaaaatgg	ctacactcat	ctgactcatt	1860
			tttgtatctt				1920
			tagtagtcat				1980
			cagccatcaa				2040
			tcatcaggag				2100
			tagcactaat				2160
			gtgctaaatg				2220
	aagatagatc				-	5 55 5	2249
	<210> SEQ 1						
	<211> LENGT					•	
236	<212> TYPE:	: DNA					
	<213> ORGAN		sapiens				
	<400> SEQUE		<u>.</u>				
			aagaggtgga	cagagaagac	agcagagacc	atgggacccc	- 60
242	cctcagcccc	tccctgcaga	ttgcatgtcc	cctggaagga	gatectacte	acagecteae	120
			cccaccactg				180
			gttcttctac				240
			gaaagagtgg				300
			ccagggcccg				360
			aacgtcaccc				420
			aatgaagaag				480
			agcaacaact				540 600
			gttcagaaca				600
			ctgcagctgt				660
			ggatcctatg				720
204	accycaytya	codagedade	ctgaatgtcc	cccacggccc	ayatyteee	accalttccc	780

Input Set : A:\10159 PCT.ST25.txt

Output Set: N:\CRF4\10212008\J585261.raw

```
266 cctcaaaggc caattaccgt ccaggggaaa atctgaacct ctcctgccac gcagcctcta
                                                                     840
268 acccacctgc acagtactct tggtttatca atgggacgtt ccagcaatcc acacaagagc
                                                                     900
270 tetttateee caacateact gtgaataata geggateeta tatgtgeeaa geecataact
                                                                     960
272 cagccactgg cctcaatagg accacagtca cgatgatcac agtctctgga agtgctcctg
                                                                    1020
274 tecteteage tgtggccaee gteggcatea egattggagt getggecagg gtggetetga
                                                                    1080
276 tatagcagcc ctggtgtatt ttcgatattt caggaagact ggcagattgg accagacct
                                                                    1140
278 gaattettet ageteeteea ateceatttt ateceatgga accaetaaaa acaaggtetg
                                                                    1200
280 ctctgctcct gaagccctat atgctggaga tggacaactc aatgaaaatt taaagggaaa
                                                                    1260
282 accetcagge etgaggtgtg tgecactcag agaettcace taactagaga cagtcaaact
                                                                    1320
284 gcaaaccatg gtgagaaatt gacgacttca cactatggac agcttttccc aagatgtcaa
                                                                    1380
286 aacaagactc ctcatcatga taaggctctt accccctttt aatttgtcct tgcttatgcc
                                                                    1440
288 tgcctctttc gcttggcagg atgatgctgt cattagtatt tcacaagaag tagcttcaga
                                                                    1500
290 gggtaactta acagagtgtc agatctatct tgtcaatccc aacgttttac ataaaataag
                                                                    1560
292 agateettta gtgcacccag tgactgacat tagcagcate tttaacacag cegtgtgtte
                                                                    1620
294 aaatgtacag tggtcctttt cagagttgga cttctagact cacctgttct cactccctgt
                                                                    1680
296 tttaattcaa cccagccatg caatgccaaa taatagaatt gctccctacc agctgaacag
                                                                    1740
298 ggaggagtet gtgcagttte tgacaettgt tgttgaacat ggctaaatac aatgggtate
                                                                    1800
300 getgagaeta agttgtagaa attaacaaat gtgetgettg gttaaaatgg etacaeteat
                                                                    1860
302 ctgactcatt ctttattcta ttttagttgg tttgtatctt gcctaaggtg cgtagtccaa
                                                                    1920
304 ctcttggtat taccctccta atagtcatac tagtagtcat actccctggt gtagtgtatt
                                                                    1980
306 ctctaaaagc tttaaatgtc tgcatgcagc cagccatcaa atagtgaatg gtctctcttt
                                                                    2040
308 ggctggaatt acaaaactca gagaaatgtg tcatcaggag aacatcataa cccatgaagg
                                                                    2100
310 ataaaagccc caaatggtgg taactgataa tagcactaat gctttaagat ttggtcacac
                                                                    2160
312 teteacetag gtgagegeat tgagecagtg gtgetaaatg etacataete caactgaaat
                                                                    2220
2280
316 acacaggaga ttccagtcta cttgagttag cataatacag aagtcccctc tactttaact
                                                                    2340
318 tttacaaaaa agtaacctga actaatctga tgttaaccaa tgtatttatt tctgtggttc
                                                                    2400
320 tgtttccttg ttccaatttg acaaaaccca ctgttcttgt attgtattgc ccagggggag
                                                                    2460
322 ctatcactgt acttgtagag tggtgctgct ttaattcata aatcacaaat aaaaqccaat
                                                                    2520
324 tagctctata act
                                                                    2533
327 <210> SEQ ID NO: 4
328 <211> LENGTH: 543
329 <212> TYPE: DNA
330 <213> ORGANISM: Homo sapiens
332 <400> SEQUENCE: 4
333 tettetgaca getggtgege etgeceggga acatecteet ggaeteaate atggettgtg
                                                                      60
120
                                                                     180
337 tggctcctga cgctaagagc ttcgtgctga acctgggcaa agacagcaac aacctgtgcc
339 tgcacttcaa ccctcgcttc aacgcccacg gcgacgccaa caccatcgtg tgcaacagca
                                                                     240
341 aggacggcgg ggcctggggg accgagcagc gggaggctgt ctttcccttc cagcctggaa
                                                                     300
343 gtgttgcaga ggtgtgcatc accttcgacc aggccaacct gaccgtcaag ctgccagatg
                                                                     360
345 gatacgaatt caagtteece aacegeetea acetggagge cateaactae atggeagetg
                                                                     420
347 acggtgactt caagatcaaa tgtgtggcct ttgactgaaa tcagccagcc catggccccc
                                                                     480
540
351 aaa
                                                                     543
354 <210> SEQ ID NO: 5
355 <211> LENGTH: 1740
356 <212> TYPE: DNA
```

357 <213> ORGANISM: Homo sapiens

Input Set : A:\10159 PCT.ST25.txt

```
359 <400> SEQUENCE: 5
                                                                         60
360 gaggeggagg eggaggegga gggegagggg eggggagege egeetggage geggeaggte
                                                                        120
362 atattgaaca ttccagatac ctatcattac tcgatgctgt tgataacagc aagatggctt
                                                                        180
364 tgaactcagg gtcaccacca gctattggac cttactatga aaaccatgga taccaaccgg
366 aaaaccccta tcccgcacag cccactgtgg tccccactgt ctacgaggtg catccggctc
                                                                        240
                                                                        300
368 agtactaccc gtcccccgtg ccccagtacg ccccgagggt cctgacgcag gcttccaacc
                                                                        360
370 ccgtcgtctg cacgcagccc aaatccccat ccgggacagt gtgcacctca aagactaaga
                                                                        420
372 aagcactgtg catcaccttg accetgggga cetteetegt gggagetgeg etggeegetg
                                                                        480
374 geetactetg gaagtteatg ggeageaagt geteeaacte tgggatagag tgegaeteet
                                                                        540
376 caggtacetg cateaacece tetaactggt gtgatggegt gteacactge ceeggegggg
                                                                        600
378 aggacgagaa teggtgtgtt egeetetaeg gaccaaaett eateetteag gtgtaeteat
380 etcagaggaa gteetggeae eetgtgtgee aagaegaetg gaacgagaae taegggeggg
                                                                        660
382 cggcctgcag ggacatgggc tataagaata atttttactc tagccaagga atagtggatg
                                                                        720
384 acageggate caceagettt atgaaactga acacaagtge eggeaatgte gatatetata
                                                                        780
                                                                        840
386 aaaaactgta ccacagtgat gcctgttctt caaaagcagt ggtttcttta cgctgtatag
388 cctgcggggt caacttgaac tcaagccgcc agagcaggat tgtgggcggc gagagcgcgc
                                                                        900
390 teceggggge etggeeetgg caggteagee tgeaegteea gaaegteeae gtgtgeggag
                                                                        960
392 getecateat caccecegag tggategtga cageegeeca etgegtggaa aaacetetta
                                                                       1020
394 acaatccatg gcattggacg gcatttgcgg ggattttgag acaatctttc atgttctatg
                                                                       1080
396 gageeggata eeaagtagaa aaagtgattt eteateeaaa ttatgaetee aagaeeaaga
                                                                       1140
398 acaatgacat tgcgctgatg aagctgcaga agcctctgac tttcaacgac ctagtgaaac
                                                                       1200
                                                                       1260
400 cagtgtgtet geceaaceea ggeatgatge tgeageeaga acagetetge tggattteeg
402 ggtggggggc caccgaggag aaagggaaga cctcagaagt gctgaacgct gccaaggtgc
                                                                       1320
404 ttctcattga gacacagaga tgcaacagca gatatgtcta tgacaacctg atcacaccag
                                                                       1380
                                                                       1440
406 ccatgatetg tgeeggette etgeagggga aegtegatte ttgeeagggt gaeagtggag
                                                                       1500
408 ggcctctggt cacttcgaag aacaatatct ggtggctgat aggggataca agctggggtt
                                                                       1560
410 ctggctgtgc caaagcttac agaccaggag tgtacgggaa tgtgatggta ttcacggact
                                                                       1620
412 ggatttatcg acaaatgagg gcagacggct aatccacatg gtcttcgtcc ttgacgtcgt
                                                                       1680
414 tttacaagaa aacaatgggg ctggttttgc ttccccgtgc atgatttact cttagagatg
1740
419 <210> SEQ ID NO: 6
420 <211> LENGTH: 713
421 <212> TYPE: DNA
422 <213> ORGANISM: Homo sapiens
424 <400> SEQUENCE: 6
425 tttttggggt ttttttgcaa aatgctcaag ggtatttatg caacagattg gccgtgtact
                                                                         60
                                                                         120
427 gaggagggga gcgcaggctg agggctgagg taggagtgag gttcttcctc ctgcagccac
                                                                        180
429 caggcagetg atcaccatgt ccaagcgtca ttcctgagac cctcaggtga tgctcacgtc
                                                                        240
431 cccagaacag caggetggat gcatggccag aggagetegg ccageecegg ggetggteet
                                                                        300
433 gagaggtggc tgcaggcggg gtgggtaagg gcccctcctc caggcagcag gtgacccata
435 gcccacaccc tccacaagaa agcgggcgtg gacagtgtgt tcaaagctgc agccgcctgg
                                                                        360
                                                                        420
437 acaggggcac aagttccact ggccttggaa gccgagctca gaggacatat gggaggttct
439 ccttggaggt caggagggcg gcagtgctgg tcagtgcatg ggggacactg ggacgcctct
                                                                        480
441 ctcccagctc ccactetetg cetectgget gggetegggt teegeeteet tegagtgett
                                                                        540
                                                                        600
443 gtgttgcccg gcgcaaggca ccgccggccc atgcagccgc actcttccac ctcgtgtagc
445 tgaaaggeeg ggetggagee geegggeegt geaggggeae aatteetaea egaggteege
                                                                        660
447 ageteettge aageaetgea cetgtgette caaeggttge cetteggega gta
                                                                        713
450 <210> SEQ ID NO: 7
451 <211> LENGTH: 7382
```

RAW SEQUENCE LISTING ERROR SUMMARY

DATE: 10/21/2008

PATENT APPLICATION: US/10/585,261

TIME: 06:38:26

Input Set : A:\10159 PCT.ST25.txt

Output Set: N:\CRF4\10212008\J585261.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:19; N Pos. 2255,2256

Seq#:22; N Pos. 459 Seq#:27; N Pos. 27,766

Seq#:60; N Pos. 218,353

Seq#:105; Xaa Pos. 6,12,21,23,27,33,55,73,97,99,111,115,148,156,163,176,215

Seq#:105; Xaa Pos. 217,219,256

VERIFICATION SUMMARY

DATE: 10/21/2008

PATENT APPLICATION: US/10/585,261

TIME: 06:38:26

Input Set : A:\10159 PCT.ST25.txt

Output Set: N:\CRF4\10212008\J585261.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:1604 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:2220 L:2091 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:420

L:2343 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0

M:341 Repeated in SeqNo=27

L:4831 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:180

M:341 Repeated in SeqNo=60

L:10892 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:105 after pos.:0

M:341 Repeated in SeqNo=105